OIPE

RAW SEQUENCE LISTING   DATE: 02/11/2002
PATENT APPLICATION: US/09/771,904   TIME: 08:26:59

         Input Set : A:\07148-063003.txt
         Output Set: N:\CRF3\02112002\I771904.raw   **Does** Not Comply
                                                    Corrected Diskette Needed

```
 4 <110> APPLICANT: DeBonte, Lorin R.
 5         Fan, Zhegong
 6         Miao, Guo-Hua
 8 <120> TITLE OF INVENTION: FATTY ACID DESATURASES AND MUTANT SEQUENCES THEREOF
10 <130> FILE REFERENCE: 07148-063003
12 <140> CURRENT APPLICATION NUMBER: US 09/771,904
13 <141> CURRENT FILING DATE: 2001-01-29
15 <150> PRIOR APPLICATION NUMBER: US 08/874,109
16 <151> PRIOR FILING DATE: 1997-06-12
18 <160> NUMBER OF SEQ ID NOS: 69
20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
```

ERRORED SEQUENCES

```
2034 <210> SEQ ID NO: 64
2035 <211> LENGTH: 6
2036 <212> TYPE: PRT
2037 <213> ORGANISM: Artificial Sequence
2039 <220> FEATURE:
2040 <223> OTHER INFORMATION: exemplary motif
2042 <400> SEQUENCE: 64
2043 Lys Tyr Leu Asn Asn Pro
E--> 2044    1                5
```

misaligned amino acid nos.

RECEIVED

APR. 2 9 2002

OFFICE OF PETITIONS

VERIFICATION SUMMARY   DATE: 02/11/2002
PATENT APPLICATION: US/09/771,904   TIME: 08:27:00

Input Set : A:\07148-063003.txt
Output Set: N:\CRF3\02112002\I771904.raw

```
L:53 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:54 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:153 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2
L:153 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2
L:153 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:226 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:328 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:4
L:328 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4
L:328 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:2044 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:64
```

RECEIVED

APR 2 9 2002

OFFICE OF PETITIONS